

[] Patent/Publication Number: JP2121675A

[] Publication Date: May, 9 1990

[54] PROBE FOR HYPERTHERMIA

[] Inventor(s):

**INABA MAKOTO; ,
ISHIHARA KOICHIRO; ,
TSUKATANI TAKASHI; ,
HATTA SHINJI; ,
FUSE EIICHI; ,
HAYASHI MASAOKI; ,
NISHIGAKI SHINICHI; ,
KARASAWA HITOSHI; ,
SAITO TATSUYA; ,**

[] Assignee/Applicant:

OLYMPUS OPTICAL CO; ,

[30] Priority:

JP Oct, 31 1988 JP1988275632A

[21] Application Number: JP1988275632A

[22] Application Date: Oct, 31 1988

[51] Int. Cl.⁸: A61N000502 A61B001814 A61N000140

[52] ECLA: A61B001814N

[57] ABSTRACT

PURPOSE: To heat a region to be heated uniformly, effectively and certainly as a whole by inserting a probe main body in the body cavity and exposing each needle like electrode to thrust the same in the region to be heated to heat said region. **CONSTITUTION:** In such a state that the balloon 4 of a probe 1 is contracted, a catheter 3, each needle like electrode 5 and a temperature-sensitive element part 13 are also drawn in the sheath 2 of the probe 1. The sheath 2 is inserted in the urethra 17 and the leading end part of the sheath is applied to the thickened prostate 18 (affected part) and contracted to expose the balloon 4, each needle like electrode 5 and the temperature-sensitive element part 13 from the leading end of the sheath 2 as shown by Fig 3. Then, each needle like electrode 5 having a bending habit curving outwardly is thrust in the thickened prostate 18 and the temp.-sensitive element part 13 is applied to or inserted in the surface part of the prostate. Air is sent to the balloon 4 to inflate the same. The balloon 3 is inflated in a state applied to the wall surface on the bladder 19 present at a deep part of the thickened prostate 18 to be stopped and the probe 1 is fixed. COPYRIGHT: (C)1990,JPO&Japio

* * * * *